

ASSIGNMENT 4

Textbook Assignment: "Anchoring, Mooring, and Towing (continued)," chapter 7, pages 7-3 through 7-15; "Mechanical Minesweeping," chapter 8, pages 8-1 through 8-15; "Acoustic Minesweeping," chapter 9, pages 9-1 through 9-8; "Magnetic Minesweeping," chapter 10, pages 10-1 through 10-6; "Combination Minesweeping," chapter 11, pages 11-1 through 11-12; "Minesweeping Safety," chapter 12, pages 12-1 through 12-3.

- | | |
|---|---|
| <p>4-1. Where should you look on standard Navy stockless anchors to find the serial number?</p> <ol style="list-style-type: none">1. On the shank2. On the flat of the crown3. On the side of the fluke4. On the end of the arm <p>4-2. What is the function of the stud on the Navy die-lock chain?</p> <ol style="list-style-type: none">1. To assure proper fit of the chain in the wildcat2. To provide a grasping point for rousing out the chain3. To prevent the chain from kinking and the links from pounding on adjacent links4. To sound the chain while heaving in the anchor <p>4-3. What component should be used to connect shots of anchor chain together?</p> <ol style="list-style-type: none">1. Chain swivel2. Center shackle3. Detachable link4. Anchor safety shackle <p>4-4. Which of the following components minimizes the kinking and twisting of the anchor chain?</p> <ol style="list-style-type: none">1. Chain swivel2. Bending shackle3. Chain stopper4. Mooring shackle | <p>4-5. What type of chain stopper is located the closest to the hawespipe?</p> <ol style="list-style-type: none">1. Riding2. Towing3. Housing4. Carpenter <p>4-6. What item(s) of gear that riding and housing stoppers do not have is/are added to a towing chain stopper?</p> <ol style="list-style-type: none">1. An extra detachable link2. Locking plates3. An extra studded link4. A length of chafing chain <p>4-7. What is the standard size mortise (opening), in inches, on all mooring shackles, regardless of their size?</p> <ol style="list-style-type: none">1. 5 in.2. 6 in.3. 7 in.4. 8 in. <p>4-8. Which of the following terms applies to a 5-to 15-fathom length of wire rope having thimbles at both ends, one of which is fitted with a length of open line chain ending in a pelican hook?</p> <ol style="list-style-type: none">1. Dip rope2. Lizard line3. Chaffing pendant4. Clear hawse pendant |
|---|---|

- 4-9. What color is the entire next-to-last shot of anchor chain painted?
1. Red
 2. White
 3. Yellow
 4. Blue
- 4-10. The bitter end of the anchor chain should be secured to a pad eye in the chain locker with what type of shackle?
1. Safety
 2. Screw pin
 3. Mooring
 4. plate
- 4-11. How often should the anchor chain, regardless of size, be overhauled and placed in a good state of preservation?
1. Every 12 months
 2. Every 18 months
 3. Every 24 months
 4. Every 36 months
- 4-12. What person is in charge of the forecastle when personnel are anchoring and weighing anchor?
1. Ship's boatswain
 2. Senior petty officer
 3. First lieutenant
 4. Executive officer
- 4-13. You should start braking after the anchor is let go, and as soon as it
1. clears the hawsepipe
 2. reaches the bottom
 3. stops pulling the chain
 4. enters the water
- 4-14. What is the typical scope of chain veered for a ship anchoring in 12 fathoms of water?
1. 30 fathoms
 2. 40 fathoms
 3. 70 fathoms
 4. 110 fathoms
- 4-15. What report should you make to the bridge when the flukes of the anchor have broken out and the crown still rests on the bottom?
1. Anchor breaking ground
 2. Anchor is up and down
 3. Anchor is clear
 4. Anchor's aweigh
- 4-16. When preparing to moor to a buoy, the ship lowers a boat with the buoy party when it is how many yards from the buoy?
1. 1,000
 2. 1,800
 3. 2,000
 4. 2,500
- 4-17. When you are rigging for the trolley method of mooring to a buoy, what serves as the trolley?
1. Any size wire strap
 2. A large D-ring
 3. Small fairlead blocks
 4. Large shackles
- 4-18. When you rig a ship to be towed, where should you break the anchor chain?
1. At the bending shackle
 2. At the detachable end link
 3. At the swivel
 4. At the stopper

- 4-19. Which of the following devices holds the parts of a detachable link together?
1. Lead plug
 2. Hairpin
 3. Taper pin
 4. C-link
- 4-20. How many different types of salvages are being used in the Navy today?
1. One
 2. TWO
 3. Three
 4. Four
- 4-21. What type of salvage operation is used in emergency services for vessels and aircraft in distress at sea?
1. Harbor
 2. Rescue
 3. Offshore
 4. Combat
- 4-22. Mechanical minesweeping equipment is designed to eliminate what type of mines?
1. Ground
 2. Bottom
 3. Moored
- 4-23. Standard mechanical minesweeping gear is designed to counter what types of mines?
1. Shallow
 2. Very shallow only
 3. Very deep only
 4. Very shallow and very deep
- 4-24. What type of mechanical minesweeping equipment is used aboard MCM ships?
1. I
 2. M
 3. N
 4. O
- 4-25. A sweepwire should only be streamed from the starboard side of an MCM ship.
1. True
 2. False
- 4-26. Which of the following components is designed to maintain a sweepwire at a predetermined depth?
1. Otter
 2. Depressor
 3. Float pendant
 4. Tow wire
- 4-27. What is the typical length of a sweepwire?
1. 1,800 ft
 2. 2,500 ft
 3. 4,000 ft
 4. 4,500 ft
- 4-28. What is the safe working strength of a sweepwire?
1. 24,000 lb
 2. 16,000 lb
 3. 32,000 lb
 4. 64,000 lb
- 4-29. Right-lay wire should be used for a port sweepwire.
1. True
 2. False
- 4-30. What is the size of a depressor wire?
1. 1/4 in.
 2. 5/8 in.
 3. 1/2 in.
 4. 3/4 in.
- 4-31. Which of the following cutters should you use to cut a sweepwire in an emergency?
1. Mk 9
 2. Mk 12
 3. Mk 14
 4. Mk 15

- 4-32. An end cutter is designed to protect which of the following components?
1. Otter
 2. Depressor wire
 3. Float
 4. Kite
- 4-33. Which of the following cutters is NOT an explosive cutter?
1. Mk 9
 2. Mk 12
 3. Mk 14
 4. Mk 15
- 4-34. A modified Mk 9 cutter should never be installed on a port sweepwire.
1. True
 2. False
- 4-35. A Mk 12 Mod 2 cutter is initiated by a mine's mooring coming in contact with what component?
1. Firing plunger
 2. Rocker arm
 3. Trip pin
 4. Anvil
- 4-36. Which of the following cutters has is capable of cutting multiple moorings?
1. Mk 9
 2. Mk 12
 3. Mk 14
 4. Mk 15
- 4-37. The modified Mk 14 Mod 0 cutter is interchangeable from a port sweep to a starboard sweep.
1. True
 2. False
- 4-38. What explosive cartridge should you install in a Mk 15 Mod 0 cutter for use on deck?
1. Mk 154
 2. Mk 155
 3. Mk 194
 4. Mk 196
- 4-39. What color should be the top stripe on a float's flag for a starboard sweep?
1. Red
 2. White
 3. Black
 4. Yellow
- 4-40. What size float should be used to support the otter in a mechanical minesweeping operation?
1. 1
 2. 2
 3. 3
 4. 5
- 4-41. Which of the following components will change the function of the multiplane kit from an otter to a depressor?
1. Float
 2. Bridle
 3. Float pendant
 4. Sweepwire
- 4-42. Acoustic minesweeping is used to cut the moorings of influence mines.
1. True
 2. False
- 4-43. During a high-speed influence sweeping operation, what component should be used to deter arching of the sweep wire?
1. Otter
 2. Bridle
 3. Auxiliary depressor
 4. Float pendant

- 4-44. What device or method generates the sound in the TB-26?
1. Mechanical oscillator
 2. Spring-driven hammer
 3. Water flow through the eddies
 4. Acoustic power cable
- 4-45. The acoustic power cable is designed to supply power to and to tow the TB-26 and TB-27.
1. True
 2. False
- 4-46. The acoustic power cable has what number of nonbuoyant sections, if any?
1. One
 2. Two
 3. Three
 4. None
- 4-47. The automatic control unit generates what type(s) of signal(s)?
1. Acoustic only
 2. Magnetic only
 3. Acoustic and magnetic
- 4-48. Which of the following floats is the smallest in size?
1. 0
 2. 1
 3. 5
- 4-49. What size float should you use to support a TB-27?
1. 0
 2. 1
 3. 5
- 4-50. Magnetic minesweeping is basically creating a strong enough magnetic field around an MCM ship to fool a mine into thinking a ship is passing overhead.
1. True
 2. False
- 4-51. A magnetic sweep may be streamed alone or in combination with a mechanical sweep.
1. True
 2. False
- 4-52. What section of the Q-3 cable is water cooled?
1. AQ-3
 2. PQ-3
 3. CL-1
 4. CL-3
- 4-53. What color band separates the AQ-3 and PQ-3 sections?
1. Red
 2. Black
 3. White
 4. Green
- 4-54. What is the primary difference between the cables CL-1 and CL-3?
1. Length
 2. Diameter
 3. Construction material
 4. Buoyancy
- 4-55. The K-4 electrode consists of which of the following conductive materials?
1. Brass
 2. Copper
 3. Steel
 4. Magnesium

- 4-56. What is the length of a K-4 electrode?
1. 50 ft
 2. 100 ft
 3. 150 ft
 4. 300 ft
- 4-57. Which of the following magnetic sweeps should be used to sweep mines in fresh water?
1. Straight tail sweep M Mk 5(a)
 2. Diverted loop M Mk 6(a)
 3. Diverted loop M Mk 6(h)
 4. Double diverted loop M Mk 7(b)
- 4-58. What minimum number of CL-1 cables should be used for an "S"-type magnetic sweep?
1. One
 2. Two
 3. Three
 4. Four
- 4-59. The S-3 section is not used in a double diverted loop sweep.
1. True
 2. False
- 4-60. Which of the following sweep configurations, if any, will simulate a ship's pressure signature?
1. Diverted loop
 2. FA 2
 3. FA 2A
 4. None
- 4-61. What color safety helmet should you wear if you are assigned as a deck rigger in minesweeping operations?
1. Brown
 2. Gray
 3. White
 4. Blue